

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101821\
 Data File : VW022876.D
 Acq On : 18 Oct 2021 19:03
 Operator : SY/MD
 Sample : M4200-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGE3

Quant Time: Oct 19 01:46:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 19 01:43:03 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	117359	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	120877	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	57190	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	35416	4.386	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.800%
7) Chloroethane-d5	1.565	69	33412	4.605	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.000%
11) 1,1-Dichloroethene-d2	2.105	63	53392	3.371	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.400%
20) 2-Butanone-d5	3.889	46	86347	40.784	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.560%
24) Chloroform-d	4.349	84	93236	5.603	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.000%
26) 1,2-Dichloroethane-d4	5.034	65	43730	5.415	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.200%
32) Benzene-d6	5.053	84	181302	5.038	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
36) 1,2-Dichloropropane-d6	6.072	67	56827	5.333	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.600%
41) Toluene-d8	7.317	98	150009	4.822	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
43) trans-1,3-Dichloroprop...	7.625	79	17922	5.070	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.400%
46) 2-Hexanone-d5	8.092	63	84431	59.265	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.540%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	42288	5.858	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	61822	5.830	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.237	50	527	0.061	ug/L #	76
5) Vinyl chloride	1.307	62	13313	1.499	ug/L	97
8) Chloroethane	1.584	64	871	0.158	ug/L #	71
12) 1,1-Dichloroethene	2.111	96	1146	0.162	ug/L #	1
13) Acetone	2.182	43	166984	141.443	ug/L #	44
14) Carbon disulfide	2.291	76	2054	0.103	ug/L #	92
15) Methyl Acetate	2.362	43	14748	4.366	ug/L #	50
17) Methyl tert-butyl Ether	2.773	73	12681	0.739	ug/L	95
18) trans-1,2-Dichloroethene	2.761	96	2480	0.322	ug/L	92
22) cis-1,2-Dichloroethene	3.909	96	1030555	127.307	ug/L	99
34) Trichloroethene	5.931	95	679	0.077	ug/L #	71
35) Methylcyclohexane	6.072	83	14022	1.131	ug/L #	16
37) 1,2-Dichloropropane	6.072	63	6190	0.791	ug/L #	84
42) Toluene	7.391	91	135202	4.091	ug/L	97
52) Ethylbenzene	9.024	91	1764	0.053	ug/L	91
53) m,p-xylene	9.146	106	1632	0.124	ug/L	79
54) o-xylene	9.551	106	872	0.070	ug/L	72
61) 1,2,3-Trichloropropane	11.188	75	1525	0.384	ug/L #	51
62) 1,3,5-Trimethylbenzene	10.921	105	1835	0.078	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

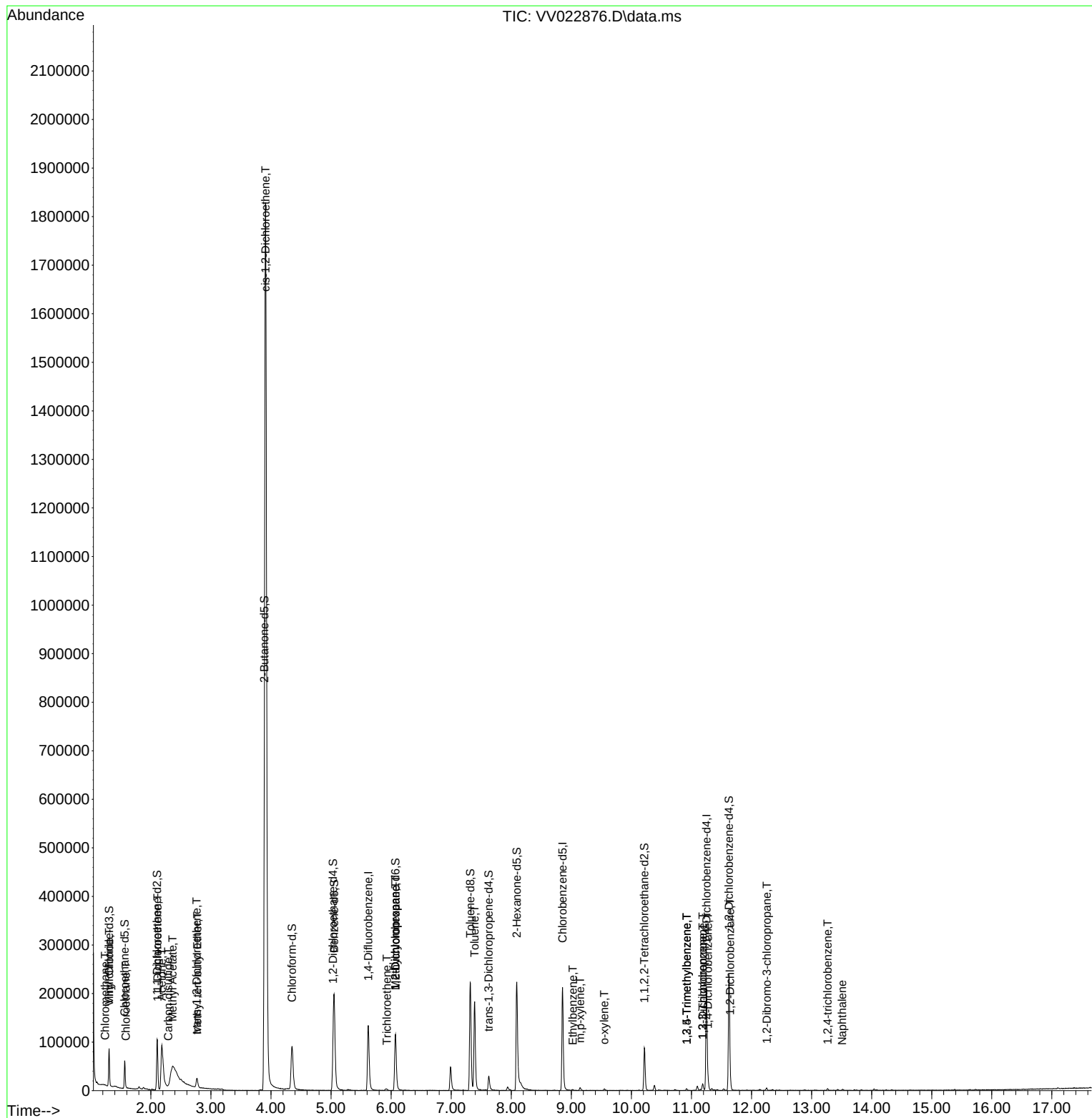
63) 1,2,4-Trimethylbenzene	10.921	105	1835	0.078	ug/L	88
64) 1,3-Dichlorobenzene	11.188	146	5557	0.364	ug/L	94
65) 1,4-Dichlorobenzene	11.275	146	6548	0.423	ug/L	92
67) 1,2-Dichlorobenzene	11.645	146	6324	0.442	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.252	75	94	0.130	ug/L #	1
70) 1,2,4-trichlorobenzene	13.268	180	1308	0.149	ug/L #	95
71) Naphthalene	13.509	128	1663	0.119	ug/L #	78

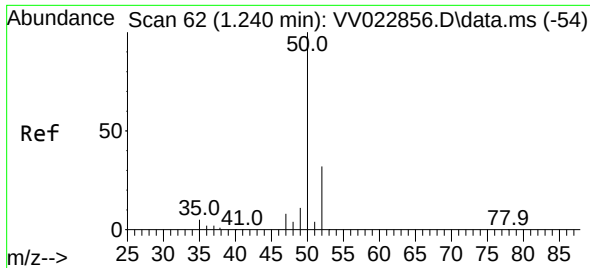
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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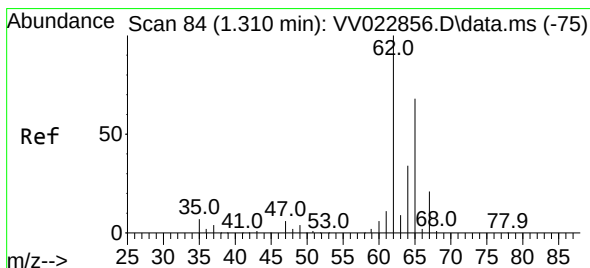
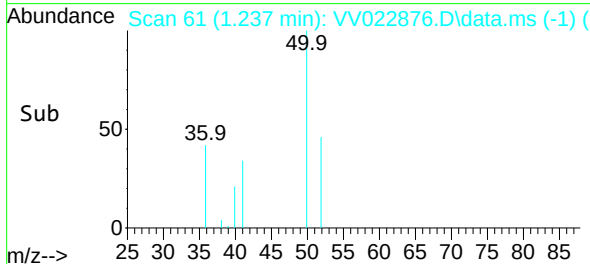
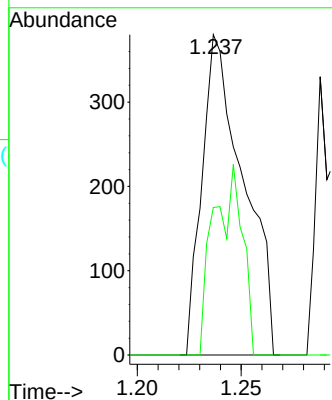
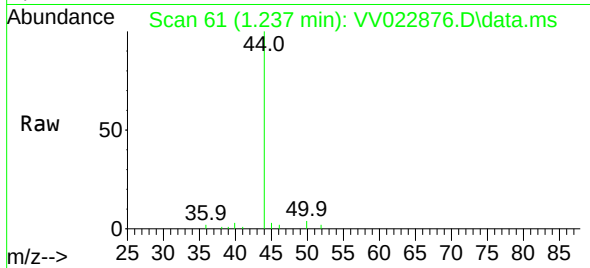




#3
Chloromethane
Concen: 0.061 ug/L
RT: 1.237 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

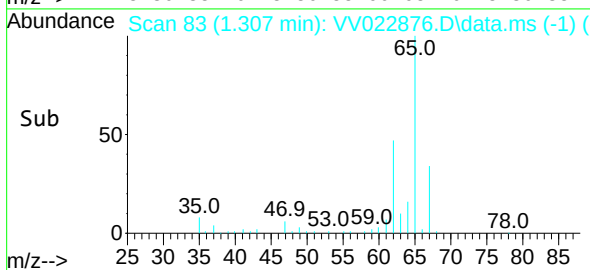
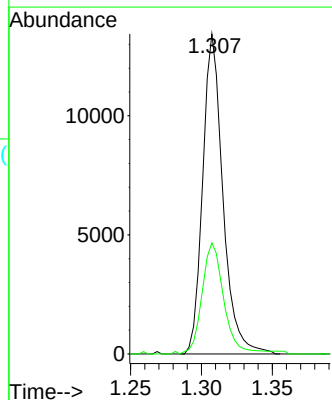
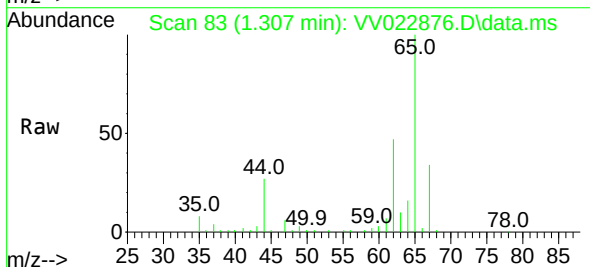
Instrument :
MSVOA_V
ClientSampleId :
BFG3

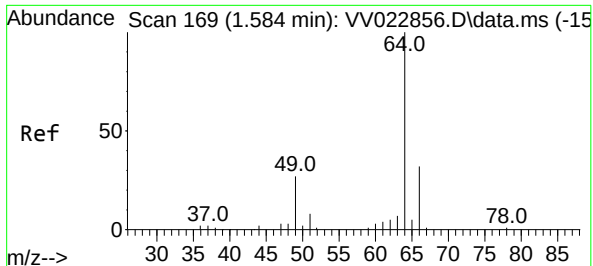
Tgt Ion: 50 Resp: 527
Ion Ratio Lower Upper
50 100
52 46.1 22.9 42.5#



#5
Vinyl chloride
Concen: 1.499 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.003 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

Tgt Ion: 62 Resp: 13313
Ion Ratio Lower Upper
62 100
64 34.7 23.0 42.8

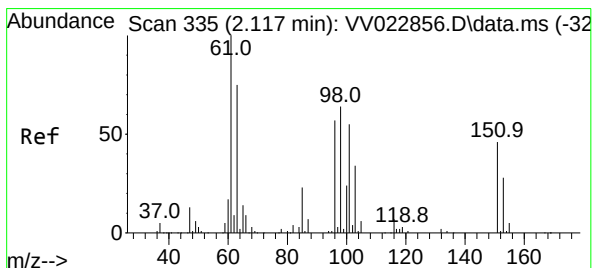
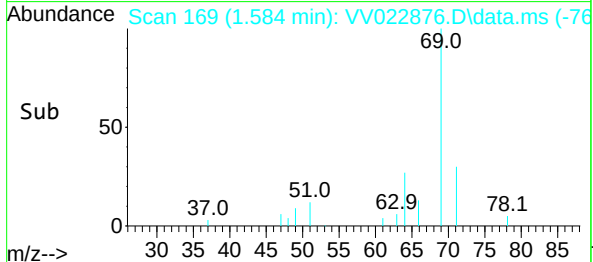
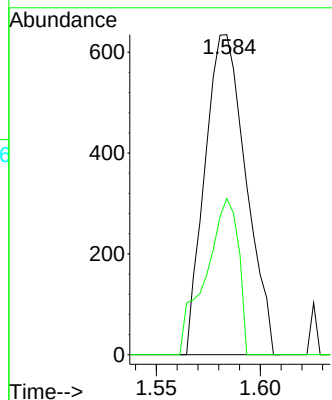
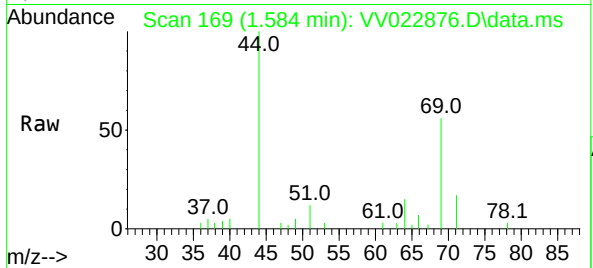




#8
Chloroethane
Concen: 0.158 ug/L
RT: 1.584 min Scan# 169
Delta R.T. 0.000 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

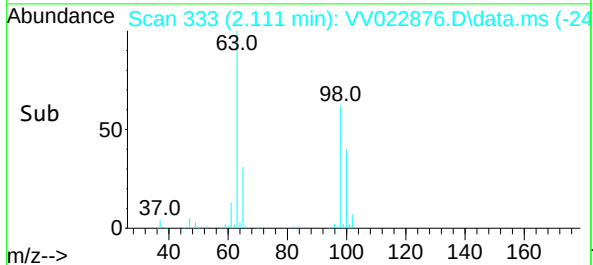
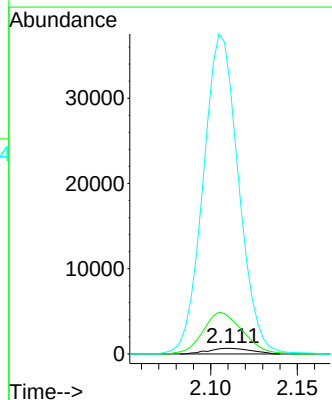
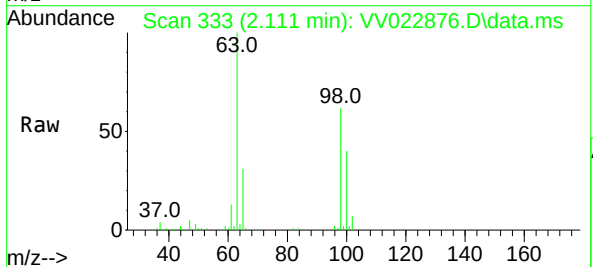
Instrument :
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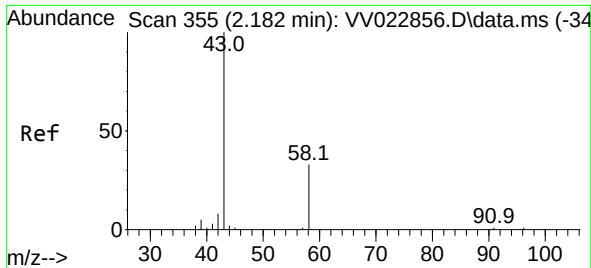
Tgt Ion: 64 Resp: 871
Ion Ratio Lower Upper
64 100
66 48.8 22.9 42.5#



#12
1,1-Dichloroethene
Concen: 0.162 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.006 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

Tgt Ion: 96 Resp: 1146
Ion Ratio Lower Upper
96 100
61 630.6 127.3 236.5#
63 4734.0 106.2 197.2#

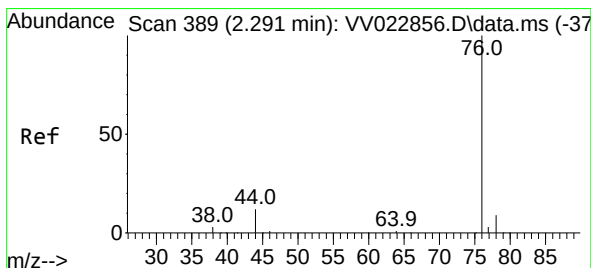
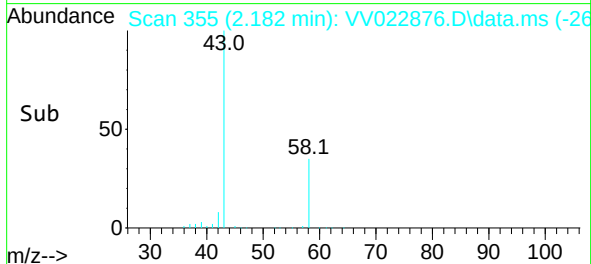
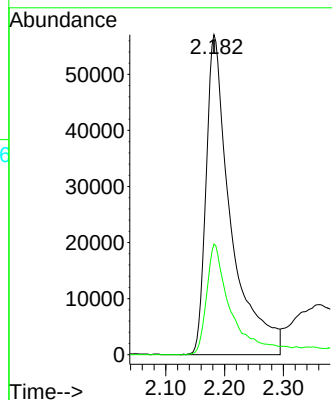
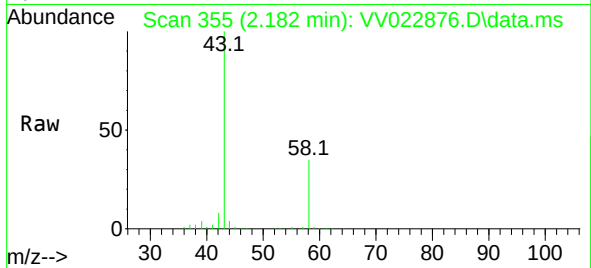




#13
Acetone
Concen: 141.443 ug/L
RT: 2.182 min Scan# 355
Delta R.T. 0.000 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

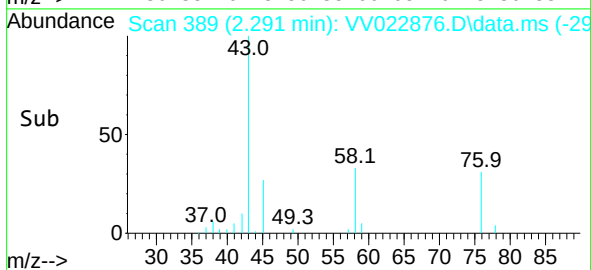
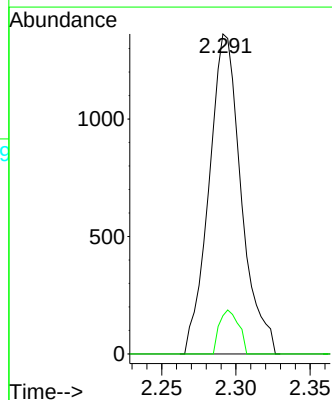
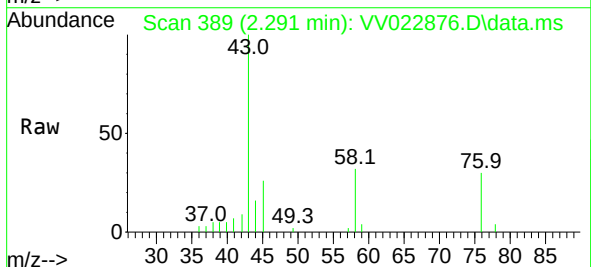
Instrument :
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ClientSampleId :
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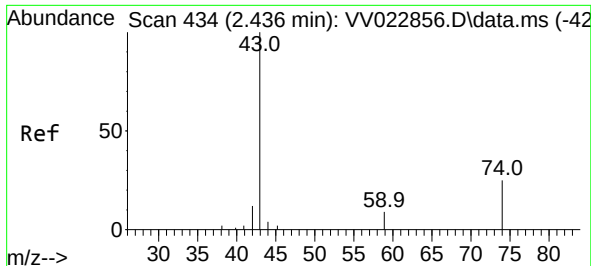
Tgt Ion: 43 Resp: 166984
Ion Ratio Lower Upper
43 100
58 33.7 0.0 24.2#



#14
Carbon disulfide
Concen: 0.103 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.000 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

Tgt Ion: 76 Resp: 2054
Ion Ratio Lower Upper
76 100
78 12.0 7.4 11.0#

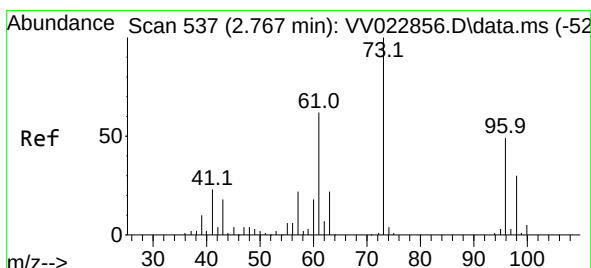
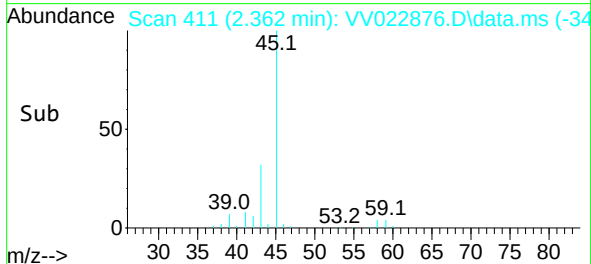
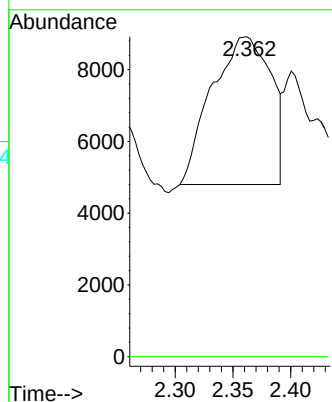
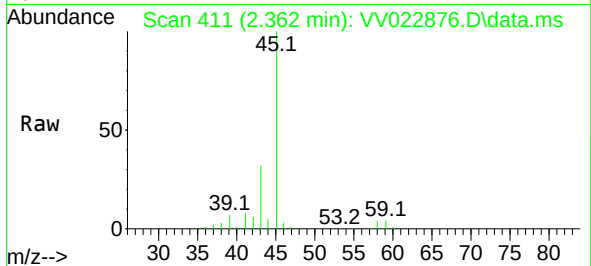




#15
Methyl Acetate
Concen: 4.366 ug/L
RT: 2.362 min Scan# 411
Delta R.T. -0.074 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

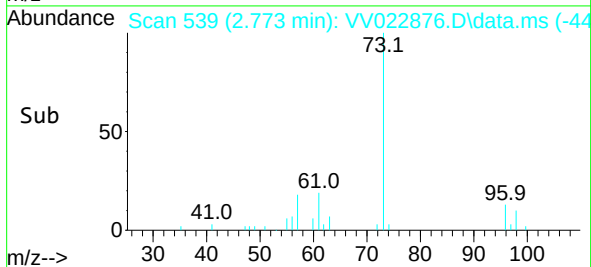
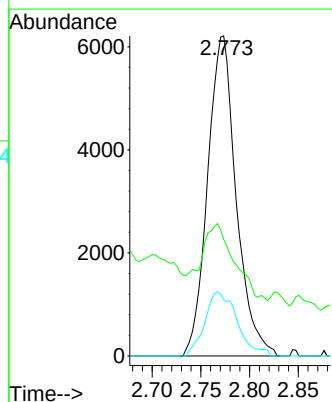
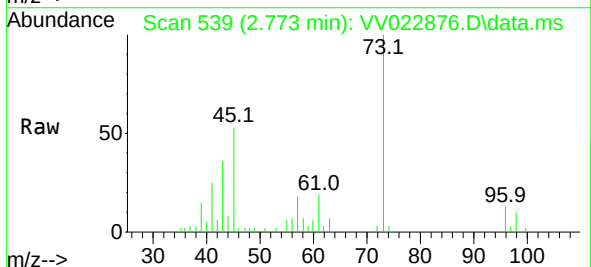
Instrument :
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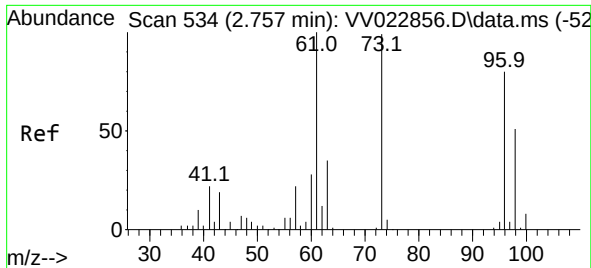
Tgt Ion: 43 Resp: 14748
Ion Ratio Lower Upper
43 100
74 0.0 19.9 29.9#



#17
Methyl tert-butyl Ether
Concen: 0.739 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.007 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

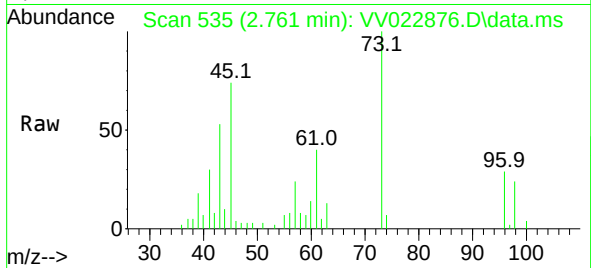
Tgt Ion: 73 Resp: 12681
Ion Ratio Lower Upper
73 100
43 24.5 17.1 25.7
57 22.6 17.2 25.8



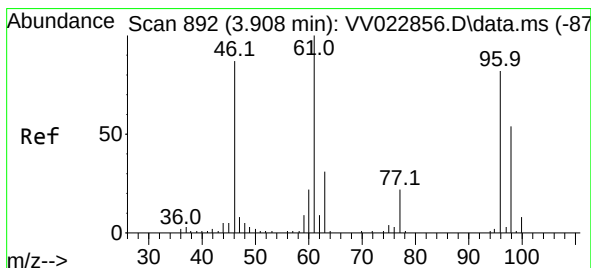
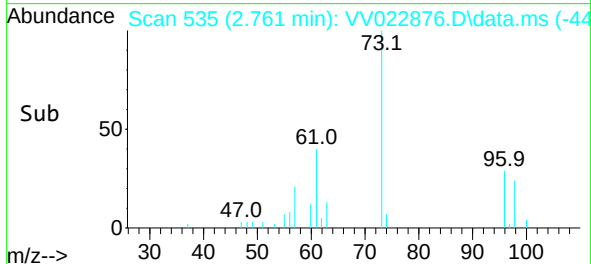
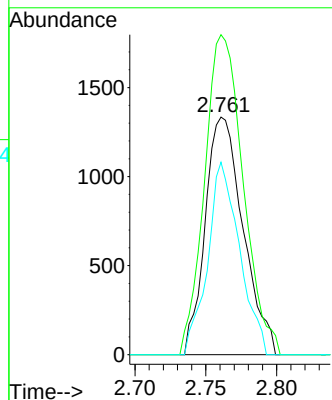


#18
trans-1,2-Dichloroethene
Concen: 0.322 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

Instrument :
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ClientSampleId :
BFGE3

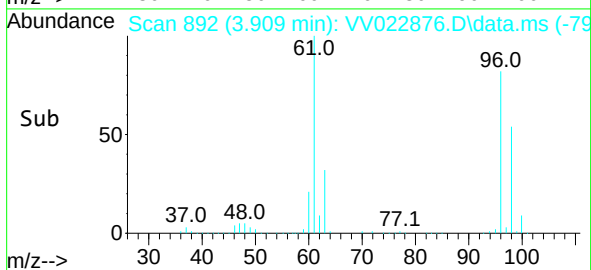
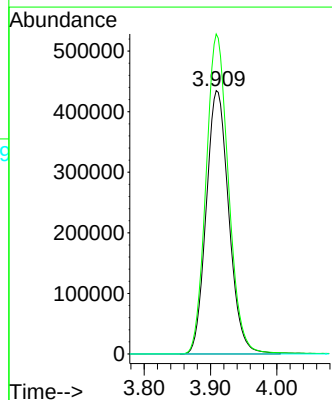
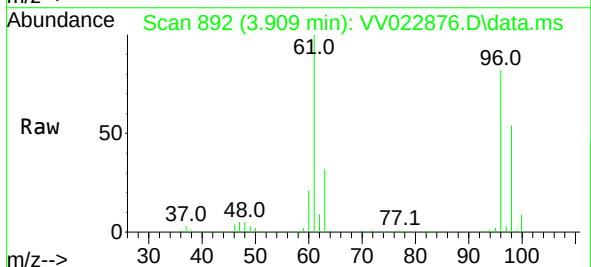


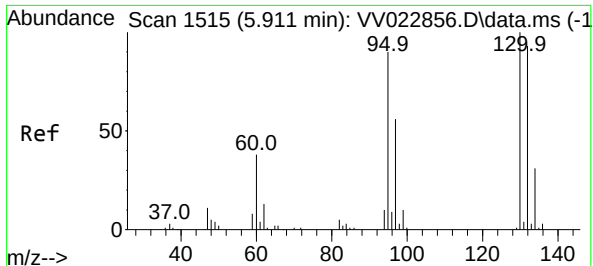
Tgt Ion: 96 Resp: 2480
Ion Ratio Lower Upper
96 100
61 134.7 94.5 175.5
98 81.0 44.2 82.0



#22
cis-1,2-Dichloroethene
Concen: 127.307 ug/L
RT: 3.909 min Scan# 892
Delta R.T. 0.000 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

Tgt Ion: 96 Resp: 1030555
Ion Ratio Lower Upper
96 100
61 121.5 86.0 159.6
68 0.0 0.0 0.0



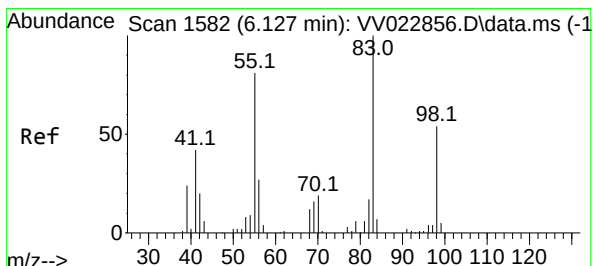
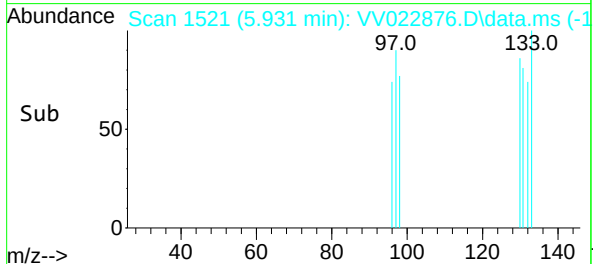
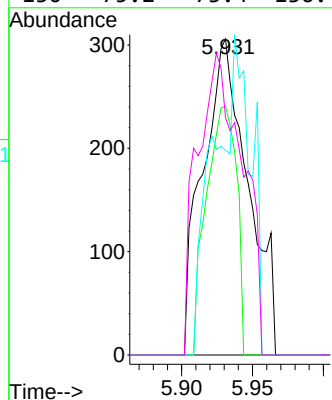
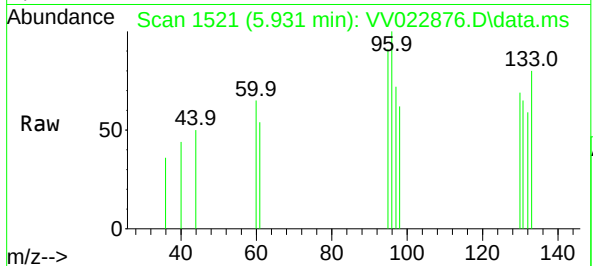


#34
Trichloroethene
Concen: 0.077 ug/L
RT: 5.931 min Scan# 1521
Delta R.T. 0.019 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

Instrument :
MSVOA_V
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Tgt Ion: 95 Resp: 679

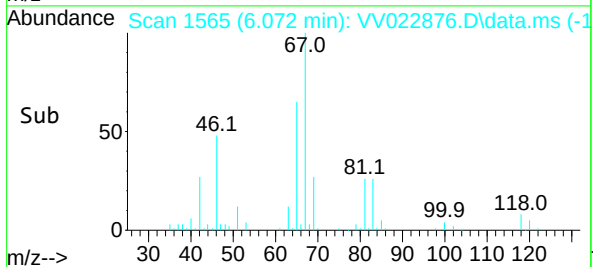
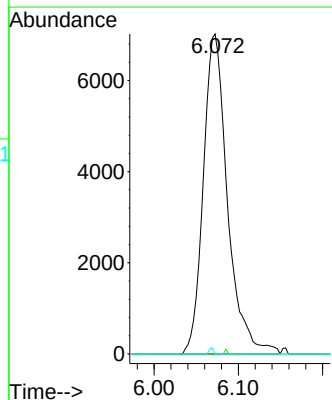
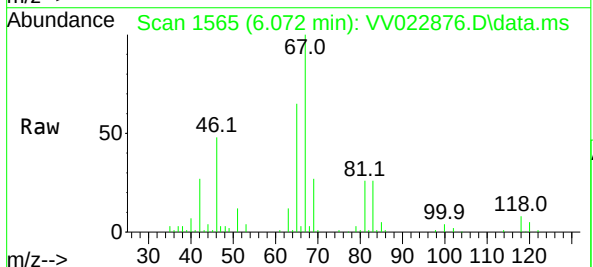
Ion	Ratio	Lower	Upper
95	100		
97	78.8	45.8	85.2
132	64.7	72.2	134.0#
130	75.2	73.4	136.4

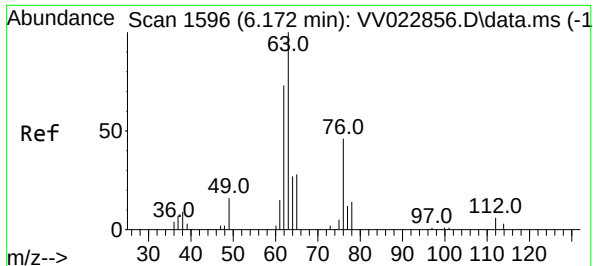


#35
Methylcyclohexane
Concen: 1.131 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.054 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

Tgt Ion: 83 Resp: 14022

Ion	Ratio	Lower	Upper
83	100		
55	0.1	63.8	95.6#
98	0.3	42.1	63.1#



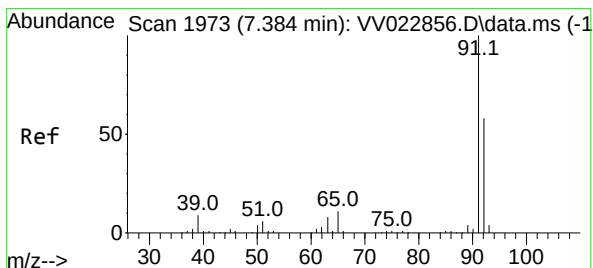
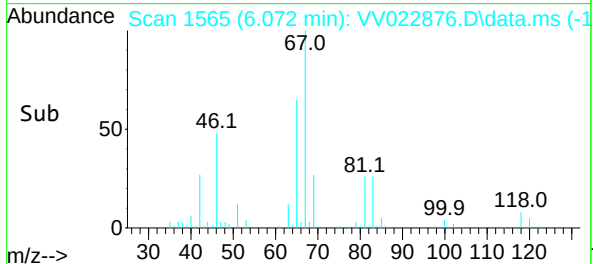
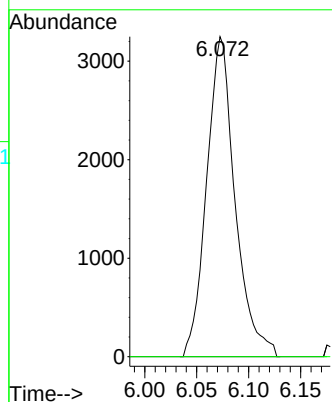
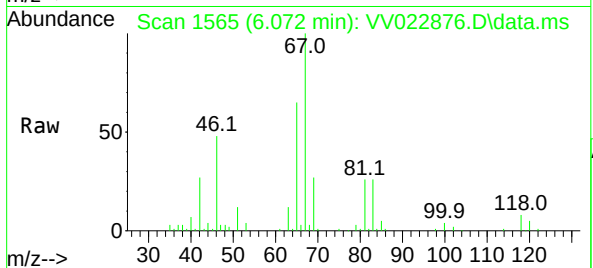


#37

1,2-Dichloropropane
Concen: 0.791 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.100 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

Instrument :
MSVOA_V
ClientSampleId :
BFG3

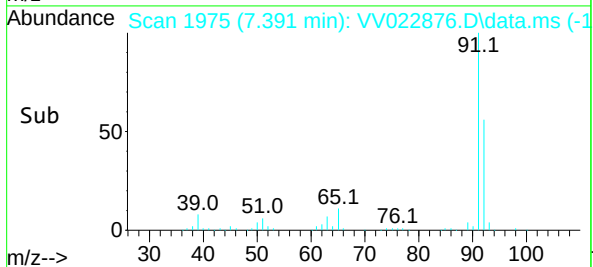
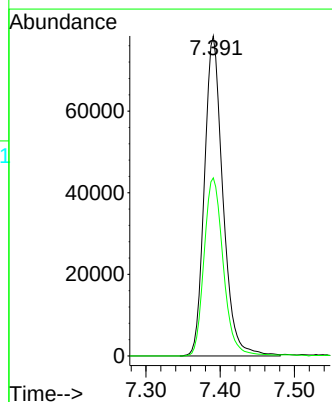
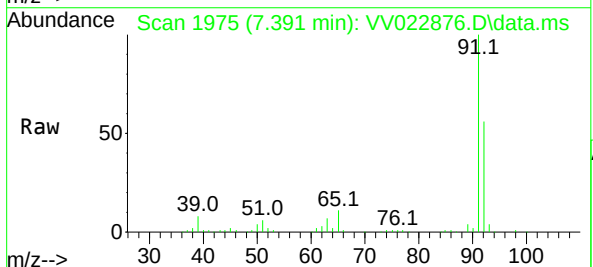
Tgt Ion: 63 Resp: 6190
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#

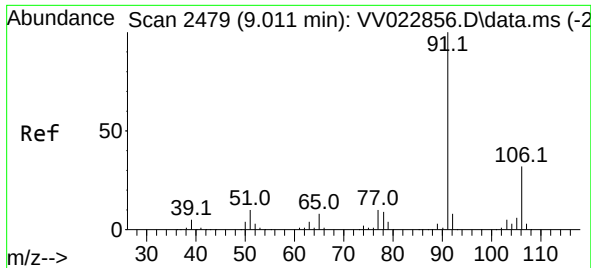


#42

Toluene
Concen: 4.091 ug/L
RT: 7.391 min Scan# 1975
Delta R.T. 0.007 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

Tgt Ion: 91 Resp: 135202
Ion Ratio Lower Upper
91 100
92 55.6 40.7 75.7

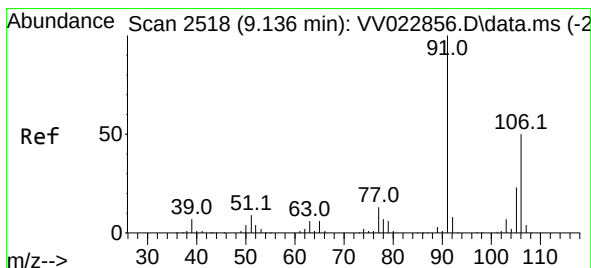
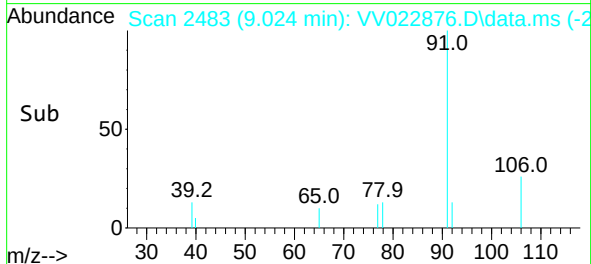
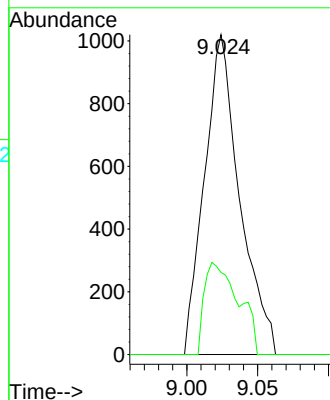
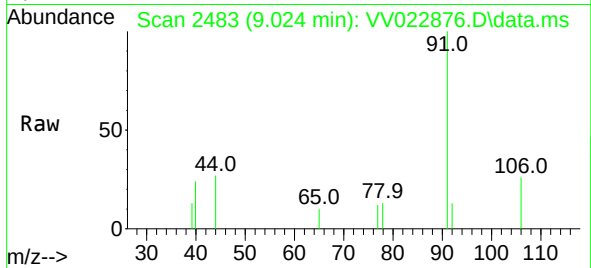




#52
Ethylbenzene
Concen: 0.053 ug/L
RT: 9.024 min Scan# 2483
Delta R.T. 0.013 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

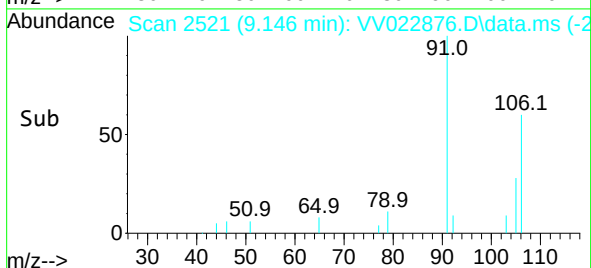
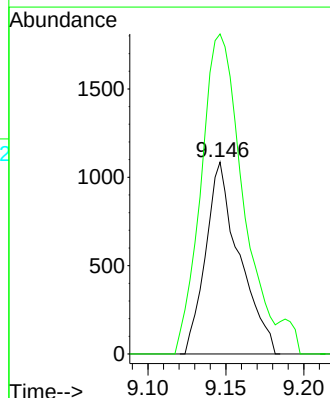
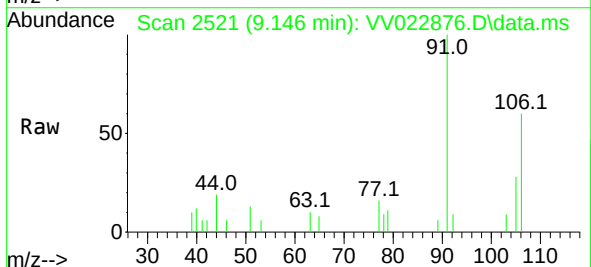
Instrument :
MSVOA_V
ClientSampled :
BFGES

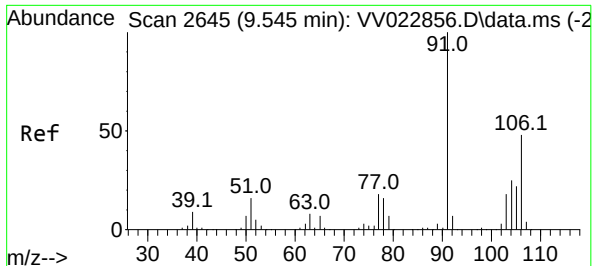
Tgt Ion: 91 Resp: 1764
Ion Ratio Lower Upper
91 100
106 25.7 21.6 40.2



#53
m,p-xylene
Concen: 0.124 ug/L
RT: 9.146 min Scan# 2521
Delta R.T. 0.010 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

Tgt Ion: 106 Resp: 1632
Ion Ratio Lower Upper
106 100
91 166.8 138.7 257.5

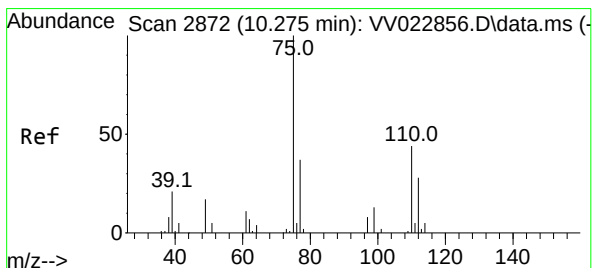
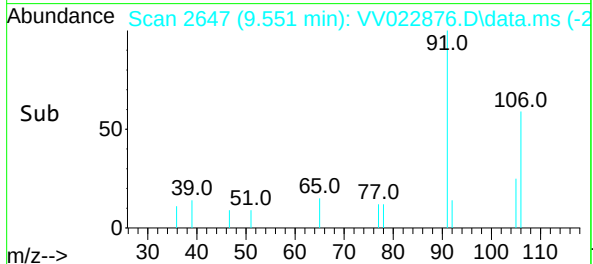
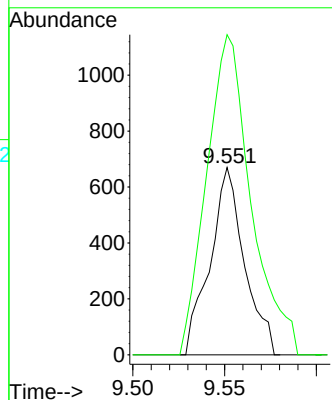
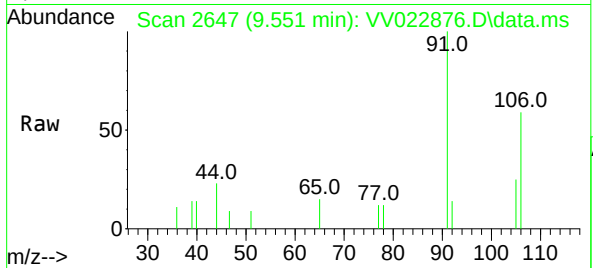




#54
o-xylene
Concen: 0.070 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.007 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

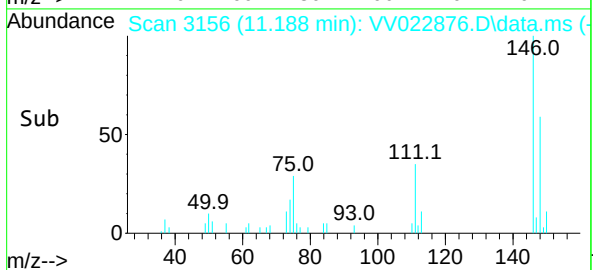
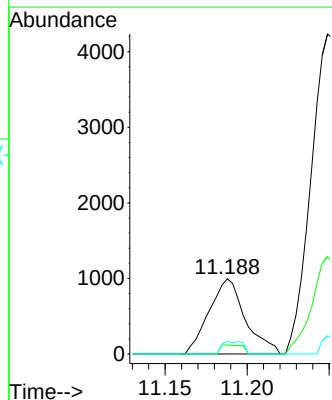
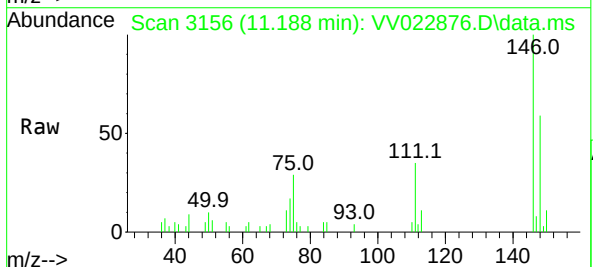
Instrument :
MSVOA_V
ClientSampled :
BFGE3

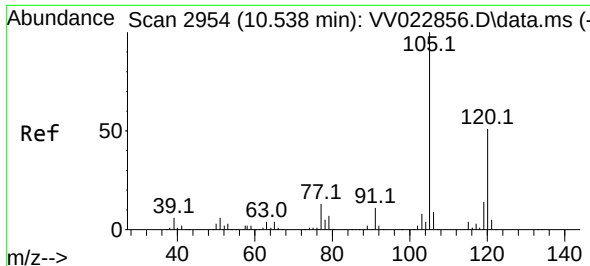
Tgt Ion:106 Resp: 872
Ion Ratio Lower Upper
106 100
91 170.9 151.1 280.7



#61
1,2,3-Trichloropropane
Concen: 0.384 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.913 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

Tgt Ion: 75 Resp: 1525
Ion Ratio Lower Upper
75 100
77 7.2 25.4 38.2#
110 9.6 34.2 51.4#

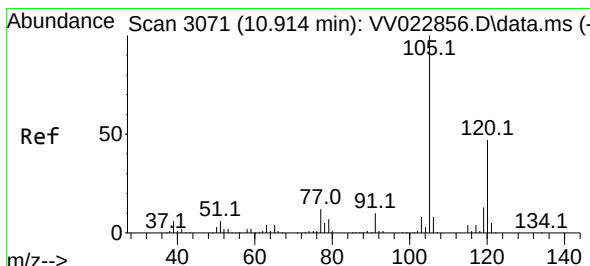
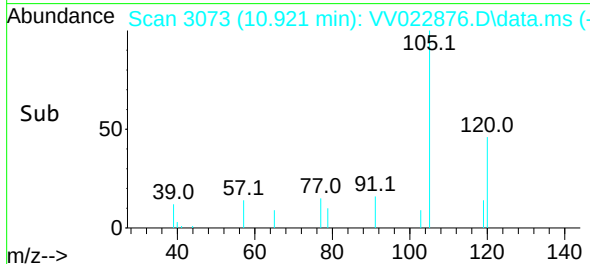
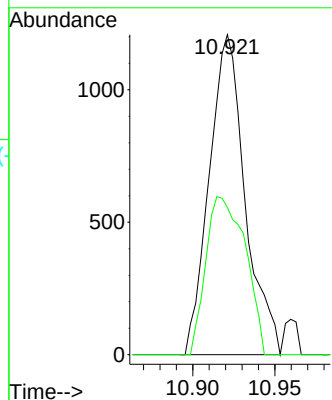
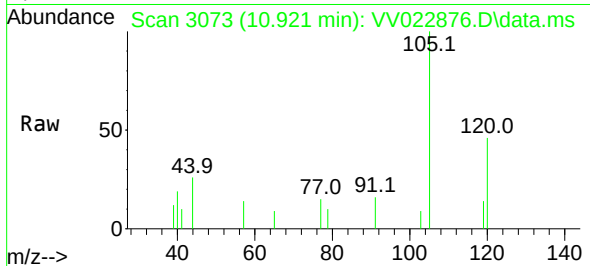




#62
1,3,5-Trimethylbenzene
Concen: 0.078 ug/L
RT: 10.921 min Scan# 3073
Delta R.T. 0.383 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

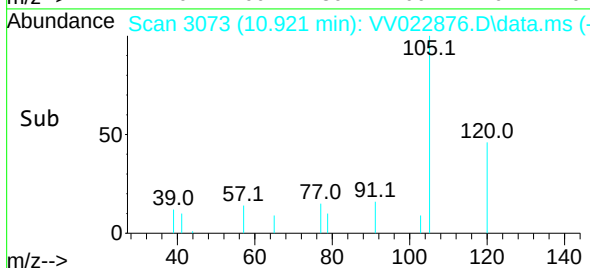
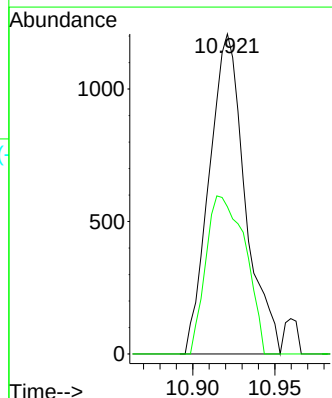
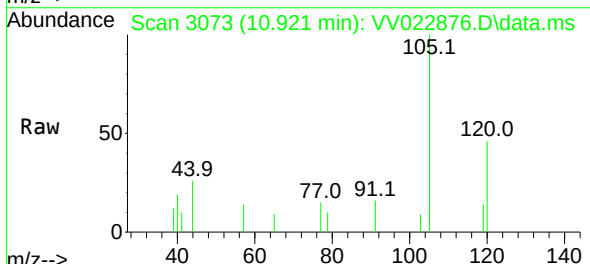
Instrument :
MSVOA_V
ClientSampled :
BFGES

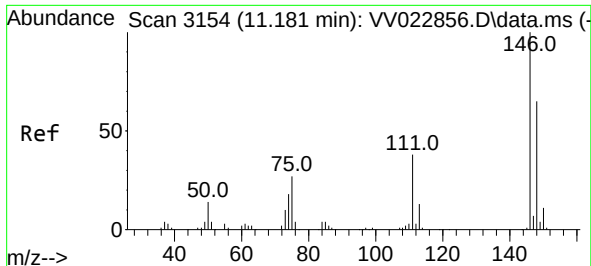
Tgt Ion:105 Resp: 1835
Ion Ratio Lower Upper
105 100
120 54.3 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 0.078 ug/L
RT: 10.921 min Scan# 3073
Delta R.T. 0.007 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

Tgt Ion:105 Resp: 1835
Ion Ratio Lower Upper
105 100
120 54.3 37.3 55.9

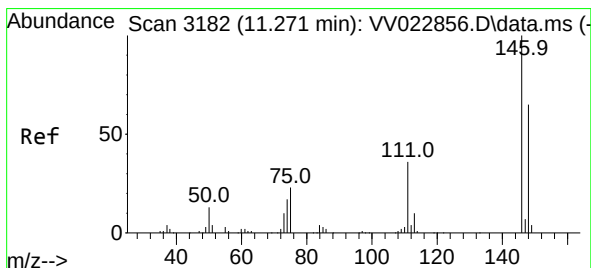
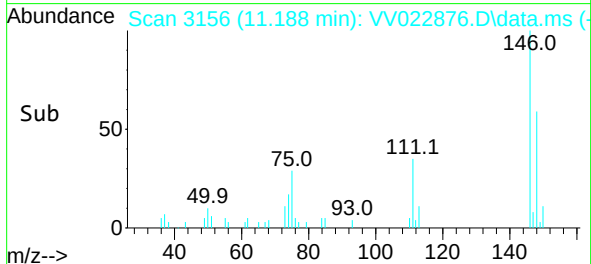
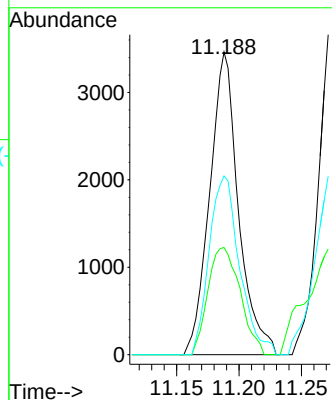
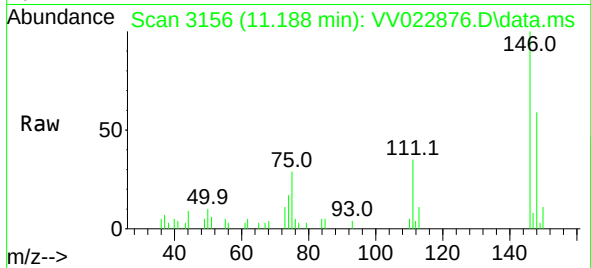




#64
1,3-Dichlorobenzene
Concen: 0.364 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.007 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

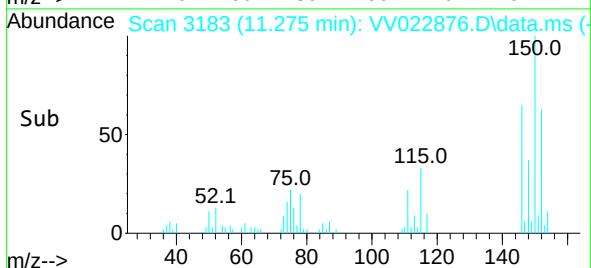
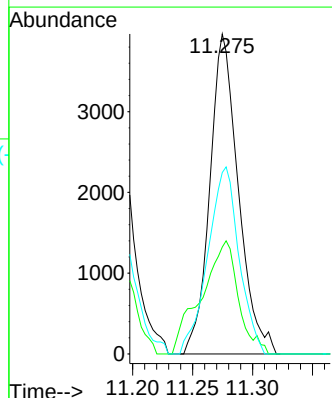
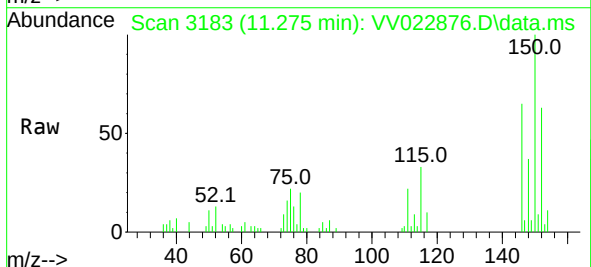
Instrument :
MSVOA_V
ClientSampleId :
BFG3

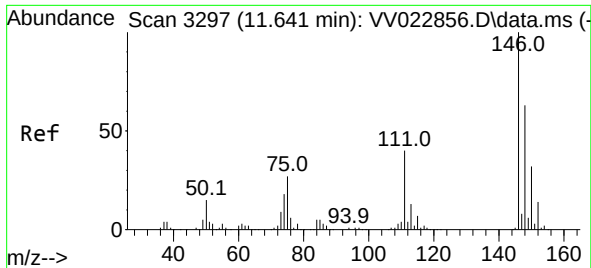
Tgt Ion:146 Resp: 5557
Ion Ratio Lower Upper
146 100
111 35.4 26.7 49.5
148 59.1 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 0.423 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.003 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

Tgt Ion:146 Resp: 6548
Ion Ratio Lower Upper
146 100
111 33.4 25.6 47.4
148 56.7 44.9 83.5

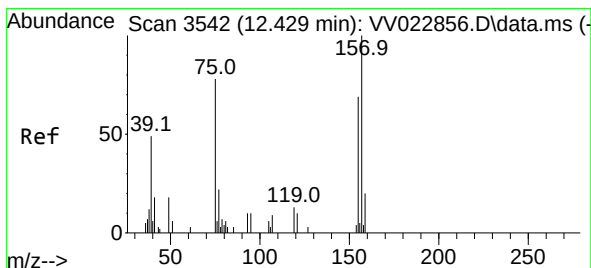
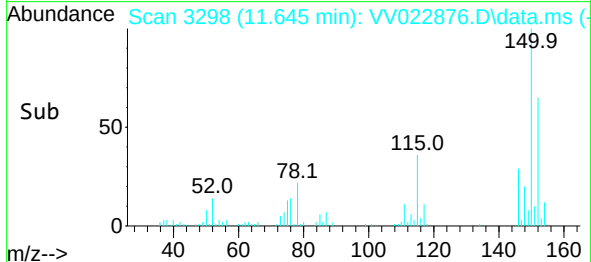
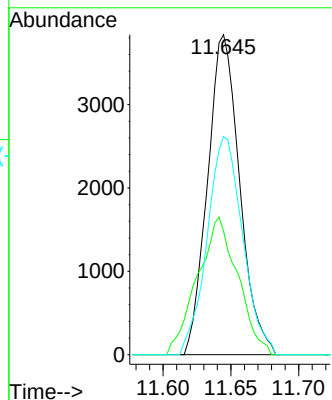
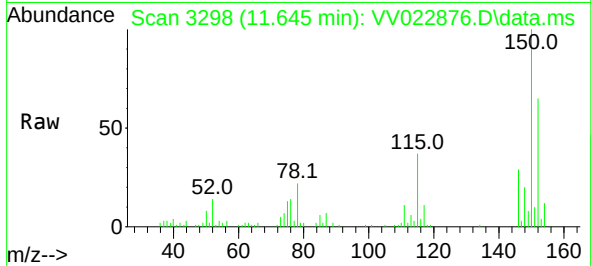




#67
1,2-Dichlorobenzene
Concen: 0.442 ug/L
RT: 11.645 min Scan# 3298
Delta R.T. 0.003 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

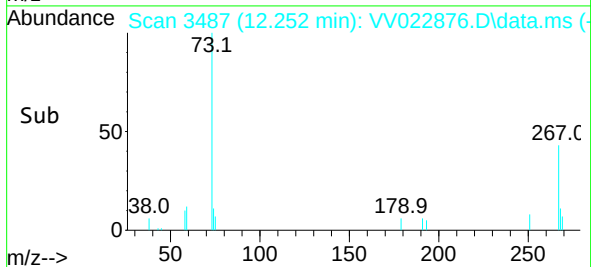
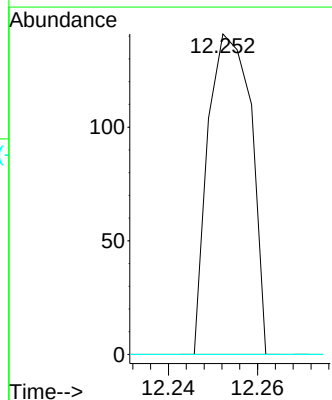
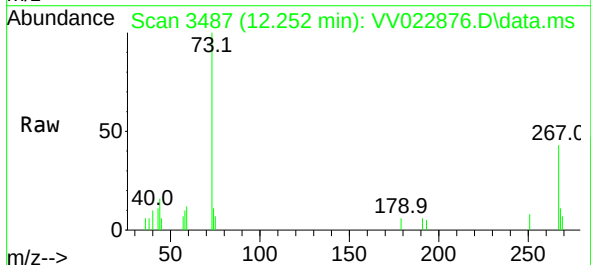
Instrument :
MSVOA_V
ClientSampled :
BFGE3

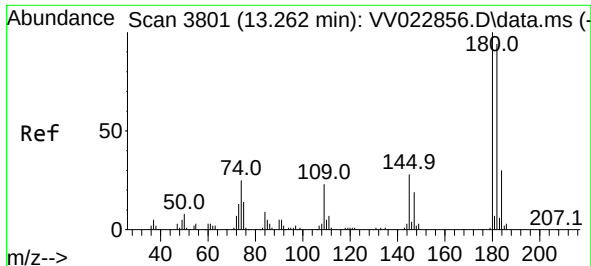
Tgt Ion:146 Resp: 6324
Ion Ratio Lower Upper
146 100
111 38.6 32.3 48.5
148 68.2 52.1 78.1



#68
1,2-Dibromo-3-chloropropane
Concen: 0.130 ug/L
RT: 12.252 min Scan# 3487
Delta R.T. -0.177 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

Tgt Ion: 75 Resp: 94
Ion Ratio Lower Upper
75 100
155 0.0 82.4 123.6#
157 0.0 114.1 171.1#

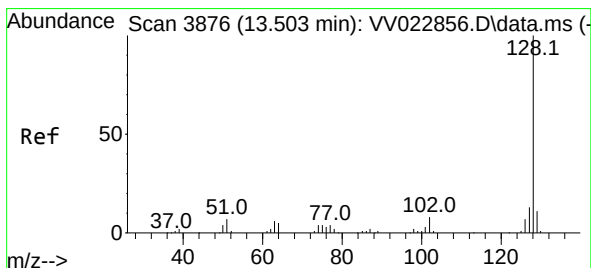
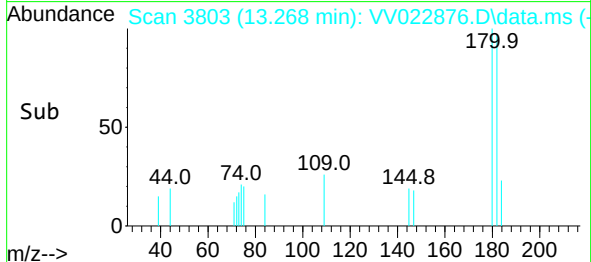
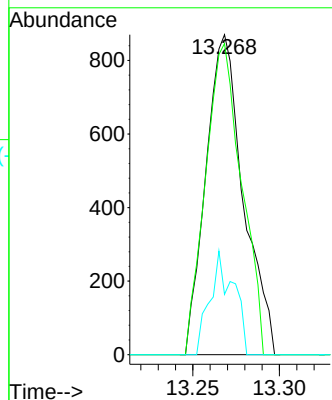
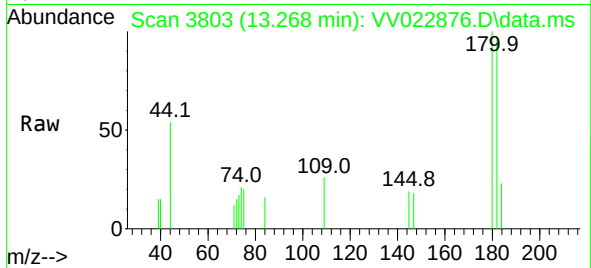




#70
1,2,4-trichlorobenzene
Concen: 0.149 ug/L
RT: 13.268 min Scan# 3803
Delta R.T. 0.007 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

Instrument :
MSVOA_V
ClientSampleId :
BFGE3

Tgt Ion:180 Resp: 1308
Ion Ratio Lower Upper
180 100
182 93.4 76.0 114.0
145 20.5 24.1 36.1#



#71
Naphthalene
Concen: 0.119 ug/L
RT: 13.509 min Scan# 3878
Delta R.T. 0.007 min
Lab File: VV022876.D
Acq: 18 Oct 2021 19:03

Tgt Ion:128 Resp: 1663
Ion Ratio Lower Upper
128 100
129 1.2 9.3 13.9#
127 6.1 10.8 16.2#

